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MITSUBISHI PAPER MILLS LTD

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ABSTRACT:

PROBLEM TO BE SOLVED: To improve absorptiveness in the case of being printed with a pigment in particular, and reduce the occurrence of blurring by containing a water soluble polymer and a specific quantity of carboxylic acid with respect to a water soluble polymer in an image acceptable layer.

SOLUTION: The ink image acceptable layer can be formed of only one layer or two or more layers consisting of a water soluble polymer. For two or more layers, there are formations and the like in which a layer consisting of a water soluble polymer is laminated in two or more layers, and a formation in which a layer consisting of a porous pigment such as silica or alumina sol and a layer consisting of a water soluble polymer are laminated. If the ink acceptable layer is formed by two or more layers, a quantity of carboxylic acid in total is allowed to be 1 wt.% or more with respect to a total of water soluble polymer. Also, if it is a double layer constitution, such a water soluble polymer and carboxylic acid can be contained in individual layer; preferably, are contained in the same layer. As such, the absorption of ink can be further improved, and blurring of fine lines can be reduced.

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